



MCDOT NEWS

News from the Montgomery County Department of Transportation, Division of Highway Services

LAYTONSVILLE KNOLLS NEIGHBORHOOD PAVEMENT PRESERVATION PROJECT

Roadway Resurfacing to Begin in Late-September 2015

INTRODUCTION

This newsletter is to update you of the upcoming roadway resurfacing project in the Laytonville Knolls subdivision and to describe the process. This system preservation project employs long term strategies to preserve and enhance the physical and operating conditions of the roadway system as it exists and will make the system serviceable for many years.

BACKGROUND

The Montgomery County Department of Transportation, (MCDOT) Division of Highway Services (DHS) maintains nearly 5200 lane miles of streets using various methods of routine maintenance, pavement restoration and repaving depending on the level of pavement deterioration present. A survey is conducted every two years to assess the pavement condition of each road within the County. A Pavement Condition Index (PCI) is then calculated for each road segment. Using this PCI data, MCDOT determines the appropriate repair strategy for each road with available funding.

Most notably, crack seals, asphalt patching, micro resurfacing, and hot mix asphalt overlays are chief among pavement restoration options. MCDOT is now developing County-wide maintenance strategies based on the countywide pavement assessment which uses both an objective rating system and budgetary parameters.

SCOPE OF PROJECT

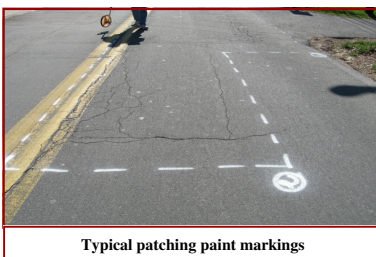
MCDOT's most recent pavement assessment study notes that the relative condition of the pavement in the Laytonville Knolls community warrants inclusion in the Residential Resurfacing Program. Further, the study finds that the overall condition of the pavement within the area warrant a system-

atic approach of full-depth permanent patching followed by an application of micro surfacing; which is a thin-coat pavement treatment designed to seal and preserve the pavement. This combined treatment will restore the roadway's structural capacity and integrity, and will preserve the pavement while also enhancing its safety and aesthetic value.

PROJECT WORK PLAN

Typically, the roadways are prepared for micro surfacing. Below is the overall scope of micro resurfacing projects:

1. Conduct survey - Identify areas of roadway in need of repair prior to resurfacing. You may notice paint markings that outline areas for pavement replacement, such as those shown in the picture below.



Typical patching paint markings

2. Full Depth Patching - The MCDOT pavement evaluation has determined that, prior to resurfacing, full depth asphalt patching of the pavement or other repairs may be necessary at selected locations. Full depth patching restores the pavement's structural integrity and capacity to support vehicle loads.



Typical asphalt patch

3. Utility Adjustments - In most cases when resurfacing with micro, sewer, storm drain manholes, water valves, gas valves, and other underground utility access covers do not require adjustment to the finished grade of the material. However, any low utility covers may be raised to the existing level of the road surface.

4. Crack Sealing - An additional step may be necessary to seal large cracks that may not require full depth patching. A flexible filler material is injected into the cracks and sealed with a special tool to prevent water infiltration into the pavement.

5. Micro Surfacing - The final step in the pavement preservation process is the application of the micro surfacing material. It is a cold applied liquid material containing a light sand aggregate that preserves pavement deemed to be in good condition. The material is uniformly machine applied and allowed to cure for several hours before opening to traffic. This Residential Road Preservation treatment enhances the existing pavement, fills cracks and small voids, and extends the life and serviceability of the pavement.



Micro surfacing application

The micro surfacing material will cover the entire road surface. This will provide for a uniform appearance and surface texture. A final sweeping, if needed, will remove any loose grit.

Although some cracks may reappear after about a year, the underlying crack seals prevent water

from penetrating through the roadway.

6. Replace lane markings - Lane markings will be replaced where they previously existed shortly after roadway resurfacing has been completed.

SCHEDULE

This project is scheduled to begin in September 2015, and will take approximately 2 weeks to complete, weather permitting. All work will be scheduled between the hours of 7 am and 5 pm, Monday through Friday. However, Saturday work will be permitted, if necessary, to expedite the completion of the project.

IMPACTS

This project may necessitate short-term parking restrictions. Our intent is to maintain continuous traffic at all times utilizing lane closures and/or alternating one-way traffic patterns. However, minor traffic delays and brief daily road closures may be experienced as flaggers manually direct traffic safely through the construction zone. Signs will be posted identifying such restrictions.

Access to homes will be available at all times, *though traffic will be restricted from driving on the micro surfacing material until it is fully cured, usually for 3-4 hours.* Driving on the freshly applied material will damage the material and may soil your vehicle and track onto your driveway. Traffic cones will be placed in the restricted lanes.

Street repair, preparation and resurfacing work is generally characterized by some noise and dust. However, MCDOT will do its best to keep the site in good housekeeping order.

Thank you for your cooperation and patience as we work to improve the County infrastructure for residents and users.



MONTGOMERY COUNTY, MARYLAND

DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAY SERVICES

100 EDISON PARK DRIVE, 4TH FLOOR, GAITHERSBURG, MD 20878

(240) 777-ROAD (7623)

www.montgomerycountymd.gov/MCDOT

KEEPING MONTGOMERY MOVING

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NOTICE OF THE LAYTONSVILLE KNOLLS NEIGHBORHOOD PAVEMENT PRESERVATION PROJECT IN LAYTONSVILLE

SAFETY NOTICE

Please drive gently and safely through the work site and kindly remember that while repair work is underway, personnel and construction vehicles will be moving around the site. Some materials may be stored in the area. Please use caution when walking or driving through the construction zone. Children may be attracted to the noise and machinery, so we ask that you please keep all children under close supervision at all times, even after the work is completed for the day. Also, please follow the direction of flagmen and temporary signs and traffic control devices. We appreciate your patience and cooperation while we make these much needed improvements to the infrastructure. *If you have a special needs or a medical condition that may be impacted by this project, please alert the Project Manager listed below or Josh Faust, Public Outreach Manager, at 240-777-7642.*

IMPORTANT MCDOT CONTACTS

The resurfacing and repair work is managed by DHS personnel. Should you wish to contact us concerning the resurfacing and repair work in your community, please contact:

Project Manager: Shawn Boardwine 240-777-7649

Program Manager: Donald Noble 240-777-7601

Should your questions be of a more general nature, please contact the MC311 Call Center by dialing 311 or 240-777-0311.

DHS Email: mcdot.highway@montgomerycountymd.gov

DHS Website: www.montgomerycountymd.gov/DOT-Highway/

On the County map, click on the **Gaithersburg East Service Area**, where you will find additional roadway maintenance projects scheduled in your area.

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